



Russian Isotopic Identification Device

Problem

The INEEL's Surplus Facility Deactivation Project needed to identify radioactive contaminants in an access-controlled area at the Power Burst Facility.

Baseline Technology

Remote retrieval of physical samples for off-site analysis.

Innovative Technology

The Russian Isotopic Identification Device is a data analysis system used in conjunction with the Russian Gamma Locating Device to identify specific radioisotopes on-site.

Comparison

This device rapidly identifies targeted radioisotopes without taking physical samples for off-site analysis.

Benefits

This device enabled the project to identify sources of radioactivity in an access-controlled area without removal of physical samples and laboratory analysis.

DECONTAMINATION, DECOMMISSIONING AND DISMANTLEMENT PROGRAM

Project: ID-OIM-110
Pre FY-2007 Surplus Facility Deactivation Project

OST #3063